Ministry of Environment
Laboratory Services Branch
20-Oct-10 Current/Active LaSB Analytical Methods – Drinking Water

METHOD	DESCRIPTION
E3100A	THE DETERMINATION OF TOTAL SULPHIDE IN WATER, SEWAGE AND INDUSTRIAL WASTES BY COLOURIMETRY
E3115A	THE ENUMERATION OF "SULPHATE REDUCING" BACTERIA IN WATER BY THE MOST PROBABLE NUMBER METHOD
E3119A	THE DETERMINATION OF CHLOROPHENOLS (CPS) AND CHLOROPHENOXYACID HERBICIDES (PAS) IN ENVIRONMENTAL MATRICES BY GAS CHROMATOGRAPHY-MASS SPECTROMETRIC (GC-MS) ANALYSIS
E3056A	THE DETERMINATION OF HEXAVALENT CHROMIUM IN WATER, LANDFILL LEACHATES AND EFFLUENTS BY COLOURIMETRY
E3060B	THE DETERMINATION OF MERCURY IN WATER BY COLD VAPOUR-FLAMELESS ATOMIC ABSORPTION SPECTROPHOTOMETRY (CV-FAAS)
E3015A	THE DETERMINATION OF FREE AND TOTAL CYANIDE IN ENVIRONMENTAL SAMPLES BY COLOURIMETRY
E3016A	THE DETERMINATION OF CHLORIDE IN DRINKING WATER, SURFACE WATER, SEWAGE AND INDUSTRIAL WASTE BY COLOURIMETRY
E3247B	THE DETERMINATION OF TOTAL ORGANIC CARBON IN AQUEOUS SAMPLES BY COMBUSTION AND INFRARED SPECTROMETRY
E3274A	LIMS CALCULATIONS-LANGELIERS INDEX
E3310A	THE DETERMINATION OF TASTE AND ODOUR COMPOUNDS IN WATER BY GAS CHROMATOGRAPHY-HIGH RESOLUTION MASS SPECTROMETRY (GC-HRMS)
E3311A	THE DETERMINATION OF TURBIDITY IN WATER BY NEPHELOMETRY UNDER ROBOTIC CONTROL
E3364A	THE DETERMINATION OF AMMONIA NITROGEN, NITRITE NITROGEN, NITRITE PLUS NITRATE NITROGEN AND REACTIVE ORTHO-PHOSPHATE IN SURFACE WATER, DRINKING WATER AND PRECIPITATION BY COLOURIMETRY
E3367A	THE DETERMINATION OF TOTAL KJELDAHL NITROGEN AND TOTAL PHOSPHOROUS IN WATER, PRECIPITATION AND SOIL EXTRACTS BY COLOURIMETRY
E3370A	THE DETERMINATION OF MOLYBDATE REACTIVE SILICATES AND DISSOLVED CARBON IN WATER, INDUSTRIAL WASTE, SOIL EXTRACTS AND PRECIPITATION BY COLOURIMETRY
E3371A	A MEMBRANE FILTRATION METHOD FOR THE DETECTION AND ENUMERATION OF TOTAL COLIFORM, ESCHERICHIA COLI, PSEUDOMONAS AERUGINOSA AND FECAL STREPTOCOCCI
E3388A	THE DETERMINATION OF N-NITROSAMINES IN WATER BY GAS CHROMATOGRAPHY - HIGH RESOLUTION MASS SPECTROMETRY (GC-HRMS)
E3132A	THE DETERMINATION OF VOLATILE ORGANOHALIDES AND HYDROCARBONS IN WATER, LEACHATES AND EFFLUENTS BY PURGE AND TRAP GAS CHROMATOGRAPHY (GC) MASS SPECTROMETRY
E3144B	THE DETERMINATION OF VOLATILE ORGANIC COMPOUNDS IN RAW AND TREATED DRINKING WATER BY PURGE AND TRAP CAPILLARY GAS CHROMATOGRAPHY- FLAME IONIZATION/MASS SELECTIVE (PT/GC-FID/MSD) DETECTION
E3170A	THE DETERMINATION OF CHEMICAL OXYGEN DEMAND (COD) IN DOMESTIC AND SURFACE WATERS BY COLOURIMETRY
E3171A	THE DETERMINATION OF CATIONS IN SURFACE WATER BY ATOMIC ABSORPTION SPECTROPHOTOMETRY (AAS)
E3172A	THE DETERMINATION OF FLUORIDE AND SULPHATE IN WATER, LEACHATES AND EFFLUENTS BY AUTOMATED ION CHROMATOGRAPHY (IC)
E3179A	THE DETERMINATION OF PHENOLIC COMPOUNDS IN WATER, INDUSTRIAL WASTES, LANDFILL LEACHATES AND SEWAGE BY COLOURIMETRY
E3186A	THE CHARACTERIZATION OF EXTRACTABLE ORGANICS IN WATER, WASTE AND SOIL BY GAS CHROMATOGRAPHY-MASS SPECTROMETRY (GC-MS)
E3188B	THE DETERMINATION OF SOLIDS IN LIQUID MATRICES BY GRAVIMETRY
E3189A	THE CHARACTERIZATION OF VOLATILE ORGANICS IN WATER AND EFFLUENT BY PURGE-AND-TRAP GAS CHROMATOGRAPHY-MASS SPECTROMETRY (GC-MS)
E3196A	LIMS CALCULATIONS-ION BALANCE
E3218A	THE DETERMINATION OF CONDUCTIVITY, pH AND ALKALINITY IN WATER AND EFFLUENTS BY POTENTIOMETRY
E3219A	THE DETERMINATION OF TRUE COLOUR IN WATER, EFFLUENTS AND INDUSTRIAL WASTES BY COLOURIMETRY
E3226A	THE DETECTION OF COLIFORM BACTERIA INCLUDING ESCHERICHIA COLI IN DRINKING WATER BY THE PRESENCE-ABSENCE PROCEDURE
E3454	THE DETERMINATION OF EMERGING ORGANIC POLLUTANTS IN ENVIRONMENTAL MATRICES BY LC-MS-MS ANALYSIS
E3457	THE DETERMINATION OF PERFLUORINATED ALKYL SUBSTANCES BY LIQUID CHROMATOGRAPHY / MASS SPECTROMETRY
E3469	A PRESENCE/ABSENCE METHOD FOR THE SCREENING OF MICROCYSTINS IN WATER BY ENZYME-LINKED IMMUNOSORBENT ASSAY (ELISA)
E3430	THE DETERMINATION OF BROMINATED FLAME RETARDANTS (BFRS) IN ENVIRONMENTAL MATRICES BY GAS CHROMATOGRAPHY-HIGH RESOLUTION MASS SPECTROMETRY (GC-HRMS)
E3473	THE DETERMINATION OF TRACE METALS IN POTABLE WATERS BY DYNAMIC REACTION CELL (DRC) INDUCTIVELY COUPLED PLASMA-MASS SPECTROMETRY (ICP-MS)
E3478	THE DETERMINATION OF HALOACETIC ACIDS (HAA) AND 2,2,-DICHLOROPROPIONOIC ACID (2,2-DCPA) IN DRINKING WATER BY DIRECT AQUEOUS INJECTION LIQUID CHROMATOGRAPHY - TANDEM SPECTROMETRY (LC-MS/MS)
E3480	THE DETERMINATION OF POLYCLYCLIC AROMATIC HYDROCARBONS IN ENVIRONMENTAL MATRICES BY GAS CHROMATOGRAPHY-TIME OF FLIGHT-MASS SPECTROMETRY
E3400A	THE DETERMINATION OF ORGANOCHLORINE PESTICIDES, CHLOROBENZENES (CBS), AROCLORS AND TOXAPHENES IN WATER, EFFLUENT AND WASTEWATER BY HEXANE MICROEXTRACTION AND GAS CHROMATOGRAPHY - MASS SPECTROMETRY (GC-MS)
E3406A	THE DETERMINATION OF NITRILOTRIACETIC ACID (NTA) IN AQUEOUS SAMPLES BY AUTOMATED ION CHROMATOGRAPHY (IC)
E3407A	MEMBRANE FILTRATION METHOD USING DC AGAR FOR THE SIMULTANEOUS DETECTION AND ENUMERATION OF TOTAL COLIFORMS AND ESCHERICHIA COLI
E3408A	THE SPREAD PLATE METHOD FOR THE ENUMERATION OF AEROBIC HETEROTROPHIC BACTERIA IN DRINKING WATER

E3415	THE DETERMINATION OF GLYPHOSATE AND AMINOMETHYLPHOSPHONIC ACID IN WATER AND VEGETATION BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY -ELECTROSPRAY IONIZATION-MASS SPECTROMETRY (HPLC-EI-MS)
E3417	THE DETERMINATION OF DIQUAT AND PARAQUAT IN WATER, SOIL AND VEGETATION ENVIRONMENTAL MATRICES BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC) PHOTDIODE ARRAY AND/OR ELECTRO-SPRAY MASS SPECTROMETRY (MS)
E3418	THE DETERMINATION OF POLYCHLORINATED DIBENZO-P-DIOXINS, POLYCHOLRDIBENZOFURANS AND DIOXIN-LIKE POLYCHLORINATED BIPHENYLS IN ENVIRONMENTAL SAMPLES BY GAS CHROMATOGRAPHY-MASS SPECTROMETRY (GC-MS)
E3421	THE DETERMINATION OF PETROLEUM HYDROCARBONS AND VOLATILE HYDROCARBONS (BTEX) IN WATER BY PURGE AND TRAP GC-FID-MS COMBINED WITH LIQUID/LIQUID EXTRACTION FOLLOWED BY GC-FID AND GRAVIMETRY
E3434	THE DETERMINATION OF BROMIDE IN SOURCE WATER BY ION CHROMATOGRAPY/ELECTROCHEMICAL DETECTION AND TRACE LEVELS OF BROMATE IN OZONATED DRINKING WATER WITH THE ADDITION OF POSTCOLUMN REAGENT AND A UV/VISIBLE DETECTOR
E3435	THE DETERMINATION OF TRIAZINE PESTICIDES IN WATER MATRICES BY GAS CHROMATOGRAPHY-TIME OF FLIGHT-MASS SPECTROMETRY
E3436	THE DETERMINATION OF PHENYL UREAS IN WATER AND LEACHATE BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY AND MASS SPECTROMETRY-MASS SPECTROMETRY (LC-MS-MS) ANALYSIS
E3437	THE DETERMINATION OF ORGANOPHOSPHORUS PESTICIDES IN WATER AND LEACHATE BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY AND MASS SPECTROMETRY-MASS SPECTROMETRY (LC-MS-MS) ANALYSIS
E3438	THE DETERMINATION OF CARBAMATES IN WATER AND LEACHATE BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY AND MASS SPECTROMETRY-MASS SPECTROMETRY (LC-MS-MS) ANALYSIS
E3450	THE DETERMINATION OF MICROCYSTINS AND NODULARIN IN WATER BY LIQUID CHROMATOGRAPHY-(ELECTROSPRAY IONIZATION) TANDEM MASS SPECTROMETRY [LC-(ESI)MS/MS]